

REMARKS

Reconsideration and allowance of the subject application, as amended, is respectfully requested in view of the following remarks.

Upon entry of the above amendments, claims 2-6 and 13-14, will be pending, with claims 7-12 being withdrawn from consideration.

Claim 13 replaces former claim 1 and addresses the various formal issues raised in the Office Action. Claim 14 is directed to the product resulting from the material of claim 13 and, therefore, is considered to be directed to the same overall inventive concept as the original election. Therefore, entry of and examination of claim 14 is respectfully requested.

The specification has been reviewed and typographical/grammatical errors have been corrected.

No new matter has been introduced.

In particular, the spelling of "pentaerythritol" has been corrected throughout the specification and the examined claims. The formula for the "R" groups is also corrected to show the double bond of the acrylate group.

The disclosure on pages 5 and 6, which is now amended to include, the alkaline earth metal, magnesium, as in original claim 6, refers to the alkali metal and alkaline earth metal as moisture absorbents, and one skilled in the art would have no difficulty understanding which materials are contemplated.

The formula for viscosity on page 8, line 17 is corrected.

The meaning of Alq<sub>3</sub> (page 8, line 4) is understood by those skilled in the art to refer to tris(8-quinolinolato)aluminum. See, for example, U.S. Patent No. 7,097,917, U.S. 7,030,556.

The photopolymerization initiator, HSP188 (page 8, line 10) refers to a benzophenone mixture, as noted, for example, in U.S. 7,005,199. This is also clearly stated in the paragraph, beginning on line 7 of page 8, especially, lines 14-21.

Accordingly, all of the objections to the specification are addressed by the foregoing amendments.

As noted above, the spelling of "pentaerythritol" is made consistent throughout the specification and claims and the formulas in the claims now show the inadvertently omitted acrylate double bonds. New claim 13, separates the "R" groups by commas and changes the language "remainings are CH<sub>2</sub>OH" to -- remainder of the groups are -CH<sub>2</sub>OH --.

The language of amended claim 2 and the dependencies of claims 4-6 has also been clarified.

Accordingly, the objections to the claims have been avoided by the amended claims.

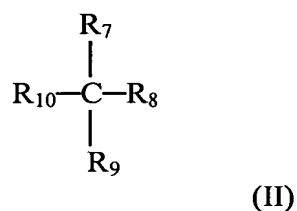
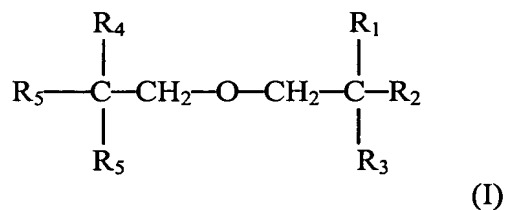
With regard to the rejection of claims 4-6, under 35 USC 112, second paragraph, it is respectfully submitted that one of ordinary skill in the art would readily understand the meaning and scope of alkali and alkaline earth metal moisture absorbents. See, also, for example, the description at page 1, lines 20-22, for examples of alkaline earth metal compounds as moisture absorbents.

Accordingly, the rejection of claims 4-6 is respectfully traversed and withdrawal of this rejection is respectfully requested.

Claims 1-3 are rejected under 35 USC 102(b) as anticipated by Russel, U.S. 4,371,566.

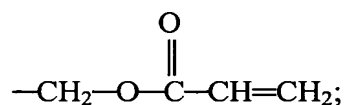
Reconsideration and withdrawal of this rejection, as may be applied to claims 13 and 2 and 3, is respectfully requested for at least the following reasons.

As is readily apparent from the specification and claim 13, the materials which are the subject matter of the present invention are not merely pentaerythritol-based polyacrylate or polymethacrylate, but are polymers of monomers represented by the formula I or formula II:



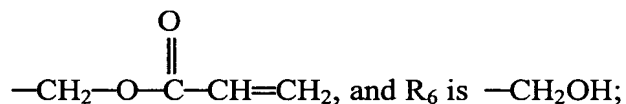
In formula (I):

R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub> are



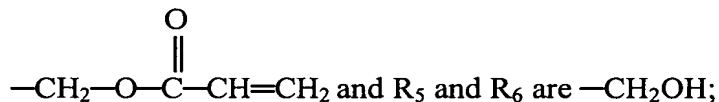
or

R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, and R<sub>5</sub> are



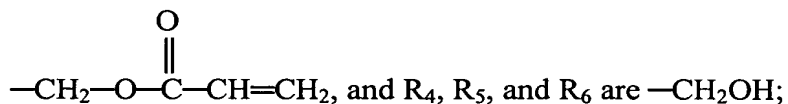
or

R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> are



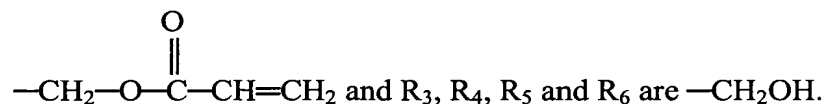
or

R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> are

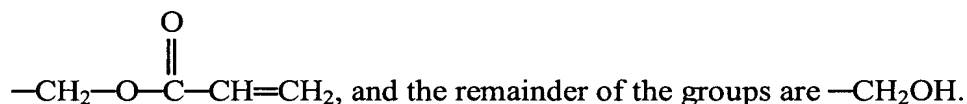


or

R<sub>1</sub> and R<sub>2</sub> are



In Formula (II), at least one of R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub> and R<sub>10</sub> is



Therefore, since the disclosure of Russel does not disclose polymers from the monomers according to formula I or formula II, this rejection should not be sustained.

Claim 1 is rejected, under 35 USC 102(e), as anticipated by Ding, U.S. 6,673,385. Reconsideration and withdrawal of this rejection is respectfully requested for at least the following reasons.

As noted above with regard to Russel, the disclosure of Ding is merely of poly(pentaerythritol acrylate) but not of any polymer of the monomers represented by formula I or formula II.

Therefore, this rejection should not be sustained and its withdrawal is respectfully requested.

Finally, claims 4-6 are rejected under 35 USC 103(a), as being unpatentable over Russel, in view of Chung et al, U.S. 4,478,876.

As explained above, Russel does not disclose a material which is formed from a polymer of a monomer having formula I or formula II. Therefore, irrespective of the disclosure of Chung et al, the combination of these references would not have made the subject matter of claims 4-6 obvious to one of ordinary skill in the art.

Therefore, withdrawal of this rejection is appropriate and is respectfully requested.

If any issues remain to be resolved, the Examiner is encouraged to contact the undersigned counsel of record.

Respectfully submitted,

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